

IN THE CLAIMS

1. (Currently Amended) A printing apparatus ~~as set forth in claim 2, wherein; comprising:~~
~~a movable head that performs recording on a medium using ink;~~
~~a the first sensor that can move together with said head and that detects regular reflection light~~
~~from said medium; and~~
~~a the second sensor that is provided separately from said first sensor, that can move together~~
~~with said recording head and that detects diffuse reflection light from said medium.~~
2. (Original) A printing apparatus, comprising:
a carry unit that carries a medium in a carrying direction;
a movable head that performs recording on a medium using ink;
a first sensor that can move together with said head and that detects an edge of said medium;
and
a second sensor that can move together with said head and that detects a pattern formed on said
medium by said head;
wherein said first sensor is provided further upstream with regard to said carrying direction
than said second sensor.
3. (Canceled).
4. (Canceled).
5. (Original) A printing apparatus according to claim 4, wherein
said light-emitting section and said light-receiving section of said first sensor are arranged in a
direction in which said medium is carried; and
said light-emitting section and said light-receiving section of said second sensor are arranged
in a direction in which said head is moved.

6. (Canceled).
7. (Canceled).
8. (Original) A printing apparatus according to claim 2, wherein
said first sensor includes a light-emitting section and a light-receiving section;
said light-emitting section of said first sensor irradiates light onto said medium; and
said light-receiving section of said first sensor receives regular reflection light from said
medium.
9. (Original) A printing apparatus according to claim 2, wherein
said second sensor includes a light-emitting section and a light-receiving section;
said light-emitting section of said second sensor irradiates light onto said medium; and
said light-receiving section of said second sensor receives diffuse reflection light from said
medium.
- 10-16. (Canceled).
17. (Previously Presented) A printing apparatus according to claim 1, wherein
said head can eject said ink while moving in a forward pass and in a return pass; and
locations at which ink is to be ejected from said head are determined in accordance with the
detection result of said second sensor.
18. (Previously Presented) A printing apparatus according to claim 1, wherein the type of
said medium is detected from the detection result of said first sensor and the detection result of
said second sensor.
19. (Original) A printing apparatus according to claim 18, wherein said head performs the
recording on said medium in accordance with the type of said medium.

20. (Canceled).

21. (Canceled).

22. (Currently Amended) A printing system as set forth in claim 23, wherein: comprising:
~~a computer; and~~
~~a printing apparatus;~~
~~said printing apparatus including:~~
~~a movable head that performs recording on a medium using ink;~~
~~a the first sensor that can move together with said head and that detects regular reflection~~
~~light from said medium; and~~
~~a the second sensor that is provided separately from said first sensor, that can move~~
~~together with said recording head and that detects diffuse reflection light from said~~
~~medium.~~

23. (Original) A printing system comprising:
a computer; and
a printing apparatus,
said printing apparatus including:
a carry unit that carries a medium in a carrying direction;
a movable head that performs recording on a medium using ink;
a first sensor that can move together with said head and that detects an edge of said
medium; and
a second sensor that can move together with said head and that detects a pattern formed
on said medium by said head;
wherein said first sensor is provided further upstream with regard to said carrying direction
than said second sensor.

24. (Previously Presented) A printing apparatus according to claim 2, wherein said carry unit is
controlled in accordance with the detection result of said first sensor.

25. (Previously Presented) A printing apparatus according to claim 2, wherein said head is controlled in accordance with the detection result of said first sensor.
26. (Previously Presented) A printing apparatus according to claim 2, wherein said first sensor detects a lateral edge of said medium; and a region onto which ink is to be ejected from said head is determined in accordance with the result of detecting said lateral edge.
27. (Previously Presented) A printing apparatus according to claim 2, wherein said first sensor detects an upper edge of said medium; and said carry unit carries said medium to a print start position in accordance with the result of detecting said upper edge.
28. (Previously Presented) A printing apparatus according to claim 2, wherein said first sensor detects a lower edge of said medium; and a region onto which ink is to be ejected from said head is determined in accordance with the result of detecting said lower edge.
29. (Previously Presented) A printing apparatus according to claim 2, wherein an ejection test of said head is performed in accordance with the result of detecting said pattern with said second sensor.
30. (Previously Presented) A printing apparatus according to claim 2, wherein said head can eject said ink while moving in a forward pass and in a return pass; and locations at which ink is to be ejected from said head are determined in accordance with the detection result of said second sensor.

31. (Previously Presented) A printing apparatus according to claim 2, wherein the type of said medium is detected from the detection result of said first sensor and the detection result of said second sensor.

32. (Previously Presented) A printing apparatus according to claim 29, wherein said carry unit is controlled in accordance with the detection result of said first sensor.

33. (Previously Presented) A printing apparatus according to claim 31, wherein said head performs the recording on said medium in accordance with the type of said medium.